

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A network system that integrates wireless communication systems, including a global common core network having a plurality of regional common core networks through Internet, each regional common core network providing a common platform for a plurality of radio communication networks, and comprising:

a mobility manager that has a function of tracing a location of a mobile host to determine an access network effective at a position of the location and function of carrying out local handoffs within the a corresponding one of the regional common core networks and handoffs for external networks based on mobile IP; and

a resource manager that coordinates traffic distribution and is responsible for resource allocation and admission control to support the traffic distribution in the corresponding one of the regional common core networks;

the global common core network supporting mobile hosts roaming within a homogeneous radio communication network and between a plurality of heterogeneous radio communication networks based on a link layer or network layer of OSI model and enables Internet access via a gateway router and access to a plurality of base stations simultaneously by communicating with the resource manager residing in the corresponding one of the regional common core networks via a network selector of interfaces in the basestations; and

each regional common core network is connected to the Internet to access the other regional common core networks,

wherein a corresponding node is within the Internet.

wherein the gateway router, a resource manger and the mobility manger are within each regional common core network, and wherein the network selector, a locator and a local resource manger within the mobile host.

2. (Currently Amended) The integrated network system for wireless communication systems according to claim 1, characterized by having in the global common core network a micromobility management function supporting handover for any mobile host roaming between base stations belonging to homogeneous radio communication networks or between base stations belonging to heterogeneous radio communication networks or between routers; and

a macromobility management function supporting, between a plurality of regional common core networks, handover for any mobile host roaming between base stations belonging to homogeneous radio communication networks, or between base stations belonging to heterogeneous radio communication networks, or between routers.